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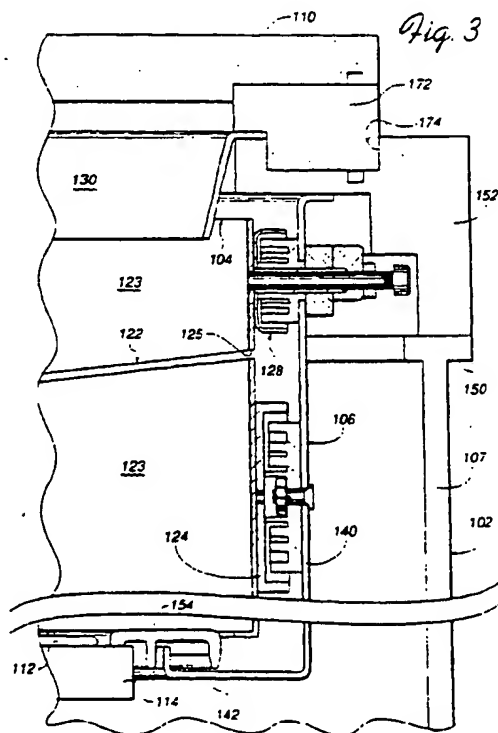
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(54) Active shield for generating a plasma for sputtering

(57) A combination coil and shield (104) for a plasma chamber (100) in a semiconductor fabrication system is provided. The coil-shield has a plurality of turns

to couple energy efficiently into a plasma and also substantially blocks deposition material from reaching a second shield (106) positioned behind the first shield



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EUROPEAN SEARCH REPORT

Application Number

EP 97 30 7864

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
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| P, Y | * page 5, line 33 - page 6, line 50 * * page 7, line 49 - page 8, line 46; figures 3, 6, 7 * | 19.20 | |
| Y | US 4 568 845 A (UEHARA KENJI) 4 February 1986 * column 3, line 11 - line 26; figure 3 * | 19.20 | |
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| | | | TECHNICAL FIELDS SEARCHED (Int.Cl.6) |
| | | | H01J |
| The present search report has been drawn up for all claims | | | |
| Place of search | | Date of completion of the search | Examiner |
| THE HAGUE | | 17 July 1998 | Schaub, G |
| CATEGORY OF CITED DOCUMENTS | | | |
| X particularly relevant if taken alone Y particularly relevant if combined with another document of the same category A technological background O non-written disclosure P intermediate document | | T theory or principle underlying the invention E earlier patent document but published on or after the filing date D document cited in the application L document cited for other reasons d member of the same patent family, corresponding document | |

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